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C08L 51/02(21)Application number : **03-276678**(71)Applicant : **UNI CHARM CORP
DAI ICHI SEIYAKU CO LTD**(22)Date of filing : **26.09.1991**(72)Inventor : **SHIMADA TAKAAKI
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YAMAMOTO TAKASHI****(54) HIGHLY WATER-ABSORBABLE POLYMER COMPOSITION**

(57)Abstract:

PURPOSE: To obtain the subject composition hardly causing coloring even when stored for a long period under high temperature and humidity and used for paper diaper, sanitary napkin, etc., by blending a highly water-absorbable polymer with an organophosphoric acid compound of a specified amount.


CONSTITUTION: The objective composition is obtained by blending (A) a highly water-absorbable polymer, preferably consisting of a crosslinked product of a polyacrylic acid salt with (B) 0.01-10wt.% (preferably 0.05-5wt.%) organophosphoric acid compound (salt), preferably, consisting of 1-hydroxyethylidene-1, 1-diphosphonic acid, ethylenediamine tetra(methylene phosphonic acid), diethylenetriaminepenta-(methylene phosphonic acid) and/or its alkali metal salt, ammonium salt or amine salt.

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